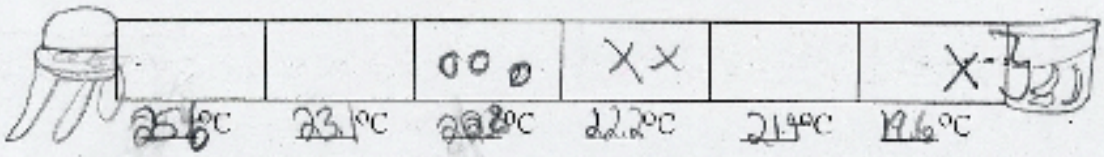
In this sample, the student has recorded some accurate observations based on what she saw. This student should now be encouraged to be more detailed in her observations. For example, what does the student mean when she states that the organisms were traveling? As is commonly seen in younger students, human-like behaviors have been attached to the isopods.

Temperature and Isopods Experiment

Name: **Date:**

This is a diagram of your temperature trough.
Once you are sitting by the trough draw a light bulb and an ice cube at either end of the trough This is based on where you are sitting.



1. Record the temperature under each section of the trough.
2. Place the isopods in the trough and make a ○ at each isopod's starting position.
3. Record the starting time: 12:51
4. Record the ending time (10 minutes later): 1:01
5. Make **X**'s to show where the isopods were at the ending time.

Describe what happened during the experiment.

One keeps going to the cold part. The others are playing "follow the leader and then lay on your back" It is really cool. They are cool animals. When they were traveling the one that was at the cold just stayed there the whole time.

STOP **Carefully return isopods to the terrariu**

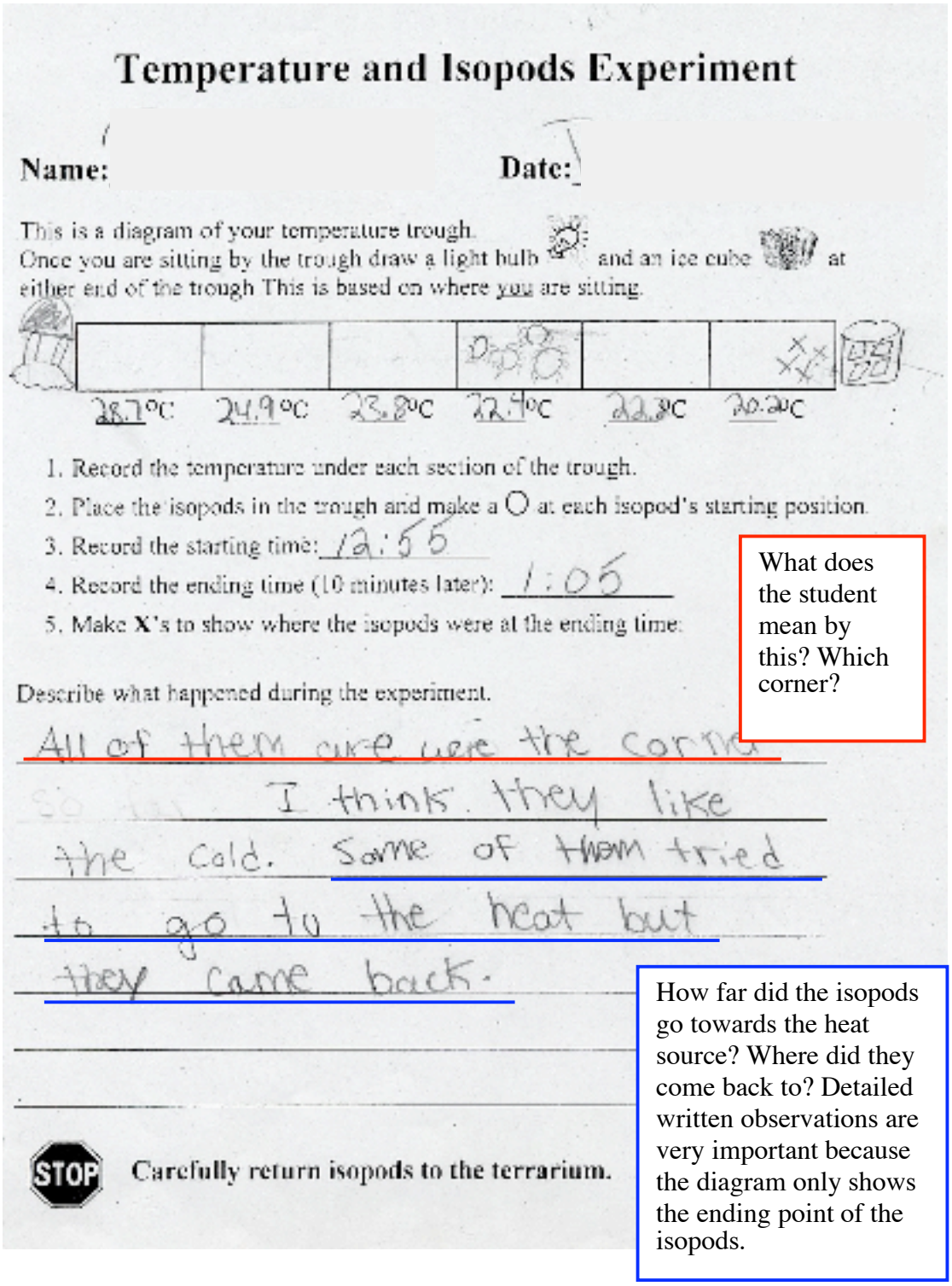
Good observation based on what the student saw.

The student describes the isopods as "playing follow the leader."

The observations are supported by the data that is recorded in the chart above. Specifically, what does "traveling" mean?

*Scroll down for another sample.

Again, this sample illustrates the student's attempt at recording accurate observations while watching the isopods. However, these observations are not clearly supported. Some statements are not complete.



Temperature and Isopods Experiment

Name: **Date:**

This is a diagram of your temperature trough.
Once you are sitting by the trough draw a light bulb and an ice cube at either end of the trough This is based on where you are sitting.

28.7°C 24.9°C 23.8°C 22.4°C 22.3°C 20.2°C

1. Record the temperature under each section of the trough.
2. Place the isopods in the trough and make a ○ at each isopod's starting position.
3. Record the starting time: 12:55
4. Record the ending time (10 minutes later): 1:05
5. Make **X**'s to show where the isopods were at the ending time.

What does the student mean by this? Which corner?

Describe what happened during the experiment.

All of them were the corner so I think they like the cold. Some of them tried to go to the heat but they came back.

How far did the isopods go towards the heat source? Where did they come back to? Detailed written observations are very important because the diagram only shows the ending point of the isopods.

STOP **Carefully return isopods to the terrarium.**